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Replacement Abstract

HYDRAULIC CONTROL SYSTEM FOR A VARIABLE COMPRESSION
RATIO INTERNAL COMBUSTION ENGINE

ABSTRACT

~~This patent application~~
~~relates to Provisional Patent~~
~~Application Confirmation No.~~
~~9946, Application No.~~
~~60/393,786, Filing Date~~
~~07/08/2002.~~

~~A moveable crankshaft assembly that~~
~~is positioned by an hydraulic~~
~~positioning device hydraulically~~
~~connected to a constant pressure~~
~~hydraulic reservoir. The hydraulic~~
~~connections between the reservoir and~~
~~the positioning device are equipped with~~
~~pressure relief valves, or equivalent~~
~~substitutes, connected in parallel to~~
~~pass fluid in either direction to~~
~~maintain the same pressure in the~~
~~hydraulic positioning device as in the~~
~~reservoir. A coupling is installed~~
~~between the crankshaft and the power~~
~~train that is capable of accommodating~~
~~movement.~~

Inventor: Joseph E. Casterline
4839 East Rail N Road
Tucson, Arizona 85739
USA

A moveable crankshaft assembly is positioned by a

positioning device hydraulically connected to a constant pressure hydraulic reservoir. The hydraulic connection between the reservoir and the positioning device is equipped with pressure relief valves connected in parallel to pass fluid in either direction to maintain the same pressure in the positioning device as in the reservoir.

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